



**Ms. Marlene Dortch**  
**Secretary**  
Federal Communications Commission  
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Washington, DC 20554

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**Re: Notice of Ex Parte - AUTHORIZING PERMISSIVE USE OF THE “NEXT GENERATION” BROADCAST TELEVISION STANDARD [GN Docket 16-142]**

Hello Ms. Dortch:

On Tuesday June 27, 2017, Manus O'Donnell, Michael Henderson, Scott Hill, Milos Pavlovic, Cedric Gonzalez, and the undersigned, all representatives of LS telcom, Inc. met with Nancy Murphy, Martha Heller, Steven Broeckaert, Brendan Murray, Evan Baranoff, and Kathy Berthot of the Media Bureau (MB) and Paul Murray, Matthew Hussey, Martin Doczkat, and Mark Colombo of the Office of Engineering and Technology (OET) to discuss the above referenced Notice of Proposed Rulemaking (NPRM).

After a brief introduction regarding the background of the company, LS telcom's discussions in the meeting focussed on its recent comments filed on May 3, 2017 in response to the referenced NPRM.

The discussion covered the importance of using capable tools for planning ATSC 3.0 networks. LS telcom outlined its experience in the global broadcast market for the planning and deployment of similar technologies such as DVB-T2. With the added complexity and capability of the ATSC 3.0 OFDM based technology, the toolset used by industry as well as the Commission must support a comprehensive capability for OFDM, Single Frequency Networks (SFN)s, and scalability to plan regional deployments of the technology.

Additionally, LS telcom discussed the use of UAS Broadcast Measurement to more accurately measure broadcast output patterns at the antenna source. It was further explained how this data can be used in the ATSC 3.0 network planning to assist in the management of interference within the SFN. LS telcom also discussed its recent completion of a UAS Broadcast Measurement in Cedar Hill, Texas and explained how this technology can be leveraged to save time during installation and commissioning of broadcast equipment and how this is applicable to the current television repack as well as for future ATSC 3.0 network deployments.

It was further discussed how both ATSC 3.0 planning tools as well as UAS Broadcast Measurement are key capabilities that should be considered by the Enforcement Bureau for managing and monitoring the deployment of ATSC 3.0.

Respectfully Submitted,

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Martha Heller  
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